

**ADHESION OF HEPARIN-CONTAINING COATINGS  
TO BLOOD-CONTACTING SURFACES  
OF MEDICAL DEVICES**

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**ABSTRACT OF THE DISCLOSURE**

- 10           The present invention relates to coatings of heparin derivatives on blood-  
contacting surfaces of medical devices, in particular on the surfaces of endoluminal  
stents, wherein the coatings have improved adhesion in comparison with  
conventional coatings heparin derivatives. Multiple component coatings are  
described in which compounds having therapeutic benefit are coated jointly with  
15           substances promoting adhesion. Multiple layers of coating are described including  
adhesion-enhancing primer layers. Surface pre-treatments enhance adhesion in  
some embodiments, including surface roughening. Baking of heparin-containing  
compounds following coating also enhances adhesion in some embodiments.